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INTER-OFFICE CORRESPONDENCE
RICHMOND, VIRGINIA

To: W. E. Clafin
From: F. M. Sprinkel
Subject: Foam Inserts for "Barclay Type" FTC Smoking Adapters

Date: July 12, 1984

A different material for the foam inserts used in the lucite adapter for the FTC smoking of grooved filter products was requested. The new material provides a slightly looser seal to the mouth end of the filter and gives lower FTC tar values.

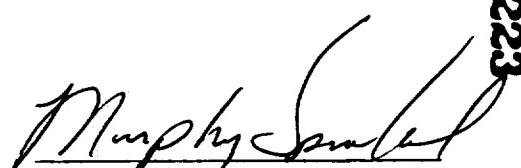
Previous work by J. Nepomuceno has identified a foam (McMaster-Carr catalogue #8570K22) to use in the adapters for FTC smoking of grooved filter products. The old foam and eight other materials were tested and a new foam rubber material (McMaster-Carr cat. #8603K13) was chosen. All testing was done by the Cigarette Testing Services Division (using Barclay 85 cigarettes) under request codes: X84218, X84227, X84242, and X84244. The results of the testing of the old and new foam inserts are given below:

The new foam rubber inserts have been loaded into fourty new lucite adapters and shipped to Hadrian Katz of Arnold & Porter for delivery to the FTC for their testing.

	Control Insert McMaster-Carr #8570K22 Med. Neoprene X4KP-1	New Insert McMaster-Carr #8603K13 Med. Foam Rubber X4KP-7
FTC TAR	7.5	6.5
TPM \pm SD	9.0 \pm 2.7	7.7 \pm 2.0
Nicotine \pm SD	0.76 \pm 0.17	0.70 \pm 0.11
Water \pm SD	0.71 \pm 0.25	0.52 \pm 0.13
Puff Count	7.0	7.2

Ref. Notebook 7725, pg. 88.

/avm


F. M. Sprinkel

cc: L. Meyer W. Houck K. Sanderson
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